

# INTERNATIONAL SEARCH REPORT

Application No  
PCT/IB 03/04970

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 H02M3/158

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H02M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 963 439 A (RAVON JEAN-MICHEL ET AL) 5 October 1999 (1999-10-05) the whole document	1,2,5-10
X	US 5 889 392 A (HSU JEAN FONGYEE YAMAMOTO ET AL) 30 March 1999 (1999-03-30) abstract; figure 1	1,3-10
X	US 6 271 651 B1 (STRATAKOS ANTHONY J ET AL) 7 August 2001 (2001-08-07) column 5, line 28 - line 52; figures 1,3	1-10

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents :

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- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \* & \* document member of the same patent family

Date of the actual completion of the international search

9 February 2004

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16/02/2004

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Information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 5963439	A	05-10-1999	FR	2754955 A1	24-04-1998
US 5889392	A	30-03-1999	WO	9839694 A1	11-09-1998
US 6271651	B1	07-08-2001	NONE		